



RAJALAKSHMI ENGINEERING COLLEGE

An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY, Chennai

DEPARTMENT OF COMPUTER SCIENCE AND DESIGN

ACADEMIC YEAR 2024-2025 ODD SEMESTER



CD23332

LAB MANUAL

SECOND YEAR

THIRD SEMESTER

2024- 2025

ODD SEMESTER

| List of Experiments | |
|---------------------|--|
| 1 | Design to teach mathematics to the children of 4-5 years age in school in Rural sector |
| 2 | Design to help people to sell their handmade products in metro cities |
| 3 | Design a social media website and chat |
| 4 | Design a publication that support different languages |
| 5 | Design a publication that tells comic stories |
| 6 | Design an advertisement for mobile company |
| 7 | Design an advertisement for any political party with images |
| 8 | Design an advertisement for electronic products |
| 9 | Design an advertisement for food products |
| 10 | Design an interactive website for new institution |
| 11 | Design a blog that publish educational post |
| 12 | Design an interactive website for hospital management system |
| 13 | Design an interactive website for food selling app |
| Requirements | |
| Hardware | Intel i3 or AMD processor with 64-bit support;2 GHz or faster processor with SSE 4. or later- 8 GB RAM -Windows 10 64-bit (version 1909)or later - 1.5 GB of GPU memory -4 GB of available hard-disk space |
| Software | Figma, Adobe Photoshop, HTML and CSS |
| Operating System | Windows |

LAB PLAN

CD23332-DESIGN PROCESSES AND PERSPECTIVES LAB

| Exercise no. | Exercise Name | Required Hours |
|--------------|--|----------------|
| 1 | Design to teach mathematics to the children of 4-5 years age in school in Rural sector | 3 |
| 2 | Design to help people to sell their handmade products in metro cities | 6 |
| 3 | Design a social media website and chat | 3 |
| 4 | Design a publication that support different languages | 3 |
| 5 | Design a publication that tells comic stories | 3 |
| 6 | Design an advertisement for mobile company | 3 |
| 7 | Design an advertisement for any political party with images | 9 |
| 8 | Design an advertisement for electronic products | 6 |
| 9 | Design an advertisement for food products | 6 |
| 10 | Design an interactive website for new institution | 6 |
| 11 | Design a blog that publish educational post | 6 |
| 12 | Design an interactive website for hospital management system. | 3 |
| 13 | Design an interactive website for food selling app. | 3 |

Course Outcomes (COs)**Course Name: Design Processes and Perspectives****Course Code: CD19341**

| | |
|-----------|---|
| Outcome 1 | Understand the various graphic design thinking process and phases |
| Outcome 2 | Analyze and choose between various visual components |
| Outcome 3 | Designing and communicating visual components |
| Outcome 4 | Apply design concepts for media publishing and advertising |
| Outcome 5 | Create website using different design concepts |

CO-PO – PSO matrices of course

| PO/PSO CO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 | PSO 1 | PSO 2 | PSO 3 |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|
| CD19341.1 | 3 | 1 | 3 | 2 | 3 | 2 | 3 | 2 | 1 | 1 | 1 | 3 | 1 | 3 | 1 |
| CD19341.2 | 3 | - | 3 | - | 3 | - | - | - | - | - | 1 | 1 | 1 | 3 | 1 |
| CD19341.3 | 3 | 3 | 3 | 2 | 3 | - | - | - | - | - | - | 1 | 1 | 3 | 2 |
| CD19341.4 | 1 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 3 | 3 |
| CD19341.5 | 1 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 3 | 3 |
| Average | 2.2 | 2.0 | 3.0 | 2.0 | 3.0 | 1.6 | 1.4 | 1.0 | 1.0 | 1.0 | 1.2 | 1.8 | 1.0 | 3.0 | 2.0 |

Note: Enter correlation levels 1,2 or 3 as defined below:

1: Slight(Low) 2: Moderate(Medium) 3: Substantial(High) If there is no correlation, put “-“

Expt. No.:1

Date:

Design to teach mathematics to the children of 4-5 years age in school in Rural sector

Aim: To design a user interface for teaching mathematics to the children of 4-5 years age in school in the rural sector.

Tools: Figma, Photoshop

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos.
3. Gradient color panel has to be used.
4. Buttons and attractive fonts have been used.
5. Proper navigation should be done to move from one page to another.
6. Login page has to be included.

Output:

Result:

Expt. No.:2

Date:

Design to help people to sell their handmade products in metro cities

AIM: To Design an UI that can help people to sell their handmade products in metro cities

Tools: Figma, Photoshop

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos.
3. Gradient color panel has to be used.
4. Buttons and attractive fonts have been used.
5. Proper navigation should be done to move from one page to another.
6. Login page has to be included.

Output:

Result:

Expt. No.:3

Date:

Design a social media website and chat

Aim: To design a user interface for teaching mathematics to the children of 4-5 years age in school in the rural sector.

Tools: Figma, Photoshop

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos
3. Gradient color panel has to be used
4. Buttons and attractive fonts have been used
5. Proper navigation should be done to move from one page to another
6. Login page has to be included

Output:

Result:

Expt. No.:4

Date:

Design a publication that support different languages

Aim: To design a publication that support different language

Tools: Adobe Photoshop

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos
3. Gradient color panel has to be used
4. Use different languages to display the content.
5. Use images that support the content.
6. Align white spaces between the contents.

Output:

Result:

Expt. No.:5

Date:

Design a publication that tells comic stories

Aim: To design a Publication That Tells Comic Stories

Tools: Adobe Photoshop

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos
3. Gradient color panel has to be used.
4. Use different languages to display the content.
5. Use images that support the content.
6. Align white spaces between the contents.

Output:

Result:

Expt. No.:6

Date:

Design an advertisement for mobile company

Aim: To design an advertisement for mobile company

Tools: Adobe Photoshop, Canva

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos
3. Gradient color panel has to be used
4. Images that support the context must be placed.
5. Written context must be emphasized.
6. Appropriate color palette must be used.

Output:

Result:

Expt. No.:7

Date:

Design an advertisement for any political party with images

Aim: To design an advertisement for any political party with images

Tools: Adobe Photoshop, Canva.

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos.
3. Gradient color panel has to be used.
4. Images that support the context must be placed.
5. Written context must be emphasized.
6. Appropriate color palette must be used.

Output:

Result:

Expt. No.:8

Date:

Design an advertisement for electronic products

Aim: To design an advertisement for electronic products

Tools: Adobe Photoshop, Canva

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos.
3. Gradient color panel has to be used .
4. Images that support the context must be placed.
5. Written context must be emphasized.
6. Appropriate color palette must be used.

Output:

Result:

Expt. No.:9

Date:

Design an advertisement for food products

Aim: To design an advertisement for food products

Tools: Adobe Photoshop, Canva

Steps:

1. Create a new background layer.
2. Create containers for placing images, icons and logos.
3. Gradient color panel has to be used .
4. Images that support the context must be placed.
5. Written context must be emphasized.
6. Appropriate color palette must be used.

Output:

Result:

Expt. No.:10

Date:

Design an interactive website for new institution

Aim: To design interactive website for new institution

Tools: HTML, CSS

Steps:

1. Create a document of type HTML.
2. Craft a style sheet for better design.
3. Include the link of the stylesheet to the HTML file.
4. Assign a title for each page.
5. Add the required styles and attributes for the HTML tags.
6. Include action tag to navigate from one page to another.

Output:

Result:

Expt. No.:11

Date:

Design A Blog That Publish Educational Post

Aim: To design a blog that publishes educational post

Tools: HTML, CSS

Steps:

1. Create a document of type HTML.
2. Craft a style sheet for better design.
3. Include the link of the stylesheet to the HTML file.
4. Assign a title for each page.
5. Add the required styles and attributes for the HTML tags.
6. Include action tag to navigate from one page to another.

Output:

Result:

Expt. No.:12

Date:

Design An Interactive Website For Hospital Management System

Aim: To design interactive website for hospital management system

Tools: HTML, CSS

Steps:

1. Create a document of type HTML.
2. Craft a style sheet for better design.
3. Include the link of the stylesheet to the HTML file.
4. Assign a title for each page.
5. Add the required styles and attributes for the HTML tags.
6. Include action tag to navigate from one page to another.

Output:

Result:

Expt. No.:13

Date:

Design An Interactive Website For Food Selling App

Aim: To design a interactive website for food selling app

Tools: HTML, CSS

Steps:

1. Create a document of type HTML.
2. Craft a style sheet for better design.
3. Include the link of the stylesheet to the HTML file.
4. Assign a title for each page.
5. Add the required styles and attributes for the HTML tags.
6. Include action tag to navigate from one page to another.

Output:

Result

Experiment 1

Design to teach mathematics to the children of 4-5 years age in school in rural sector



Design to help people to sell their handmade products in metro cities



Design a social media website and chat



Design a publication that support different languages



Design a publication that tells comic stories



Design an advertisement for mobile company



Design an advertisement for any political party with images



Design an advertisement for electronic products



A top-down view of a diverse array of fresh food items arranged artistically on a dark wooden surface. The composition includes various fruits like a red tomato, a red and yellow apple, green bell peppers, and raspberries. Vegetables include broccoli, a yellow bell pepper, and green onions. Grains and legumes are shown in wooden bowls, including white rice, a mix of colorful lentils, white beans, and black beans. Nuts and seeds, such as almonds, cashews, and walnuts, are scattered throughout. Dairy products include two small glass bottles of milk and two hard-boiled eggs. The scene is garnished with fresh herbs like rosemary and basil, and small wooden spoons and a fork are also visible. The lighting is soft, highlighting the textures and colors of the ingredients.

Design an advertisement for food products



Design a blog that publish educational post



Design an interactive website for hospital management system.



Design an interactive website for food selling app.

